CONTENTS OF VOLUME 113

Alphin, T. D., M. H. Posey, and *M. E. Smith.* Comparison of infauna associated with the macroalga *Caulerpa prolifera,* found in southeastern North Carolina 16
Blackmon, R. H., and *G. L. Harmon.* DNA transfection and Abelsen Murine Leukemia virus transformation Alter lactate dehydrogenase activity in NIH/3T3 cells 4
Cahoon, L. B. Hog waste treatment in New Zealand: Perspectives for North Carolin's hog industry 103
Floyd, M. A., J. C. Morse, and *S. C. Harris.* Aquatic insects of Lake Jocasee catchment, North and South Carolina. Part II. Caddisflies (Tricoptera) of six additional drainages, with a description of a new species 133
George, R. Y., and *A. A. Longerbeam.* Two new species of cirolanid isopod crustaceans from Onslow Bay and Hatteras slope off North Carolina 163
Manooch, C. S. III, and *J. C. Potts.* Age and growth of the red snapper, *Lutjanus campechanus,* Lutjanidae, collected along the southeastern United States from North Carolina through the east coast of Florida 111
Martin, K. R., M. L. Failla, and *J. C. Smith, Jr.* Differential susceptibility of CACO-2 and HEPG2 human cell lines to oxidative stress 149
O'Beirn, F. K., R. L. Walker, and *M. L. Jensen.* Reproductive biology and parasite (*Perkinsus marinus*) prevalence in the eastern oyster, *Crassostrea virginica,* within Georgia tidal rivers 22
Olagunju, A. O. A novel number conversion algorithm 53
Rossell, C. R. Jr., and *L. A. Zebehazy.* Skin secretion of a spotted salamander, *Ambystoma maculatum,* repels leeches 186
Schwartz, F. J. Size, body component weights, and fatty acid profiles of the escolar, *Lepidocybium flavobrunneum* (Pisces, Gempylidae) caught in the Atlantic Ocean off the mid-south east coast USA 9
Schwartz, F. J. Status of the Atlantic sturgeon, *Acipenser oxyrinchus* (Pisces, Acipenseridae) in North Carolins 46
Schwartz, F. J. Distance movements of fishes, white shrimp, and blue crabs tagged in or near the estuarine Cape Fear river and adjacent Atlantic Ocean, North Carolina, 1973 through 1978 123
Schwartz, F. J. Growth, maturity, and reproduction of a long-term captive male loggerhead sea turtle, *Caretta caretta* (Chelonia, Reptilia), in North Carolina 143
Schwartz, F. J. Recent capture of an adult bigeye soldierfish, *Ostichthys trachypoma* (Holocentridae) from North Carolina 183
Schwartz, F. J. Use and effects of Hallprint PDA/B plastic dart tags on elasmobranchs 188
Schwartz, F. J. and *J. Purifoy.* Coloration and benthic occurrence of a very small short bigeye, *Pristigenys alta* (Priacanthidae, Pisces), in North Carolina 1
Spraker, H., and *H. M. Austin.* Diel feeding periodicity of Atlantic silverside, *Menidia menidia,* in the York River, Chesapeake Bay, Virginia 171
Weber, L. M., and *J. J. Isely.* Water quality assessment of the Chattoga River using a macro-invertebrate biotic index 37
Proceedings from the ninety-fourth annual meeting of the North Carolina Academy of Science, Inc. 21–23 March 1997 at North Carolina Central University, Durham, NC 193
Abstracts of papers presented at the Senior and Collegiate Academy Sessions 21–23 March 1997 at North Carolina Central University, Durham, NC 59
Index to authors of abstracts of papers presented in the Senior and Collegiate Academy Sessions 21–23 March 1997 at University of North Carolina Central University, Durham, NC 100